

SERVICE SHEET

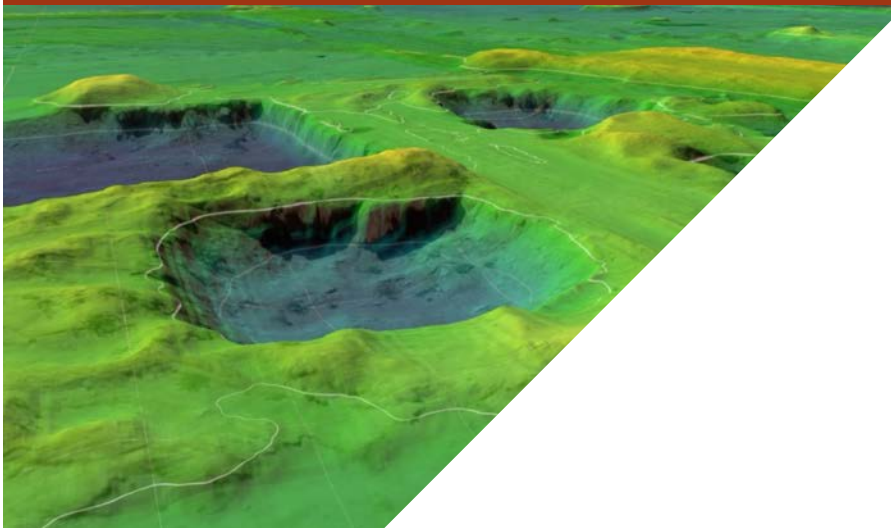
UAV (DRONE) SURVEY



Fyfe provides professional aerial mapping, survey, 4k cinematic video and inspection services throughout Australia utilising our cutting-edge drone technology.

Fyfe can now create on demand, high resolution geo-referenced aerial maps in 3D with the addition of their new range of Unmanned Aerial Vehicles (UAVs). The highly accurate data produced can be utilised in many industries including oil & gas, transport, environmental, mining, water, real estate, government and private projects.

Fyfe's pilots are also surveyors who can validate the accuracy of our mapping deliverables. Don't be fooled, only a surveyor can verify accuracies!



UAV (DRONE) SURVEY

UAV SURVEY APPLICATIONS

Drones have allowed high-quality 3D mapping data to become much more accessible. This enables better management, faster and more informed decision making, and provides an accurate high-resolution archival record of every centimetre of your site.

All imagery is geo-referenced allowing it to be dropped into its correct real life position on any project or into programs such as Google Earth for a more current background.

Flight data can be obtained in remote areas where access can be difficult or within applications where safety is paramount. Where a typical survey could take weeks, we can now do it in a day.

Fyfe's pilots are certified by CASA and operate in accordance with the company's certified safety systems.

The uses for this technology are endless - some of the applications Fyfe is currently servicing or investigating include:

- **Oil & Gas:** Existing plant overlays, pipeline surveys, project progression, access and terrain inspections.
- **Transportation:** Road corridors, major highway upgrades and flood damage investigation. Our drones are being used to provide high quality photography and mapping for end of month quantities for progress claims as well as for project management and planning on major highway infrastructure projects.
- **Environmental:** Vegetation regrowth programs, rehabilitation proposals, timeline surveys, scene presentation/recording.
- **Mining:** Current pit surveys, EOM surveys, stockpile volumes, design compliance, exploration evaluation, de-watering programs, incident surveys, environmental compliance, wall mapping, geotechnical investigations, fixed and field plant inspections, toolbox talk imagery and videos.
- **Land Development:** Subdivision progress flyovers for design changes on-the-fly, drainage and civil works.
- **Real Estate:** Agents and vendors are turning to 3D-imagery and drone photography to show properties from a whole different angle - taking in the property and surrounding area.
- **Government:** Current aerial imagery for town sites, development concepts, waterway monitoring, asset assessment, stock pile volumes, disaster response and more.
- **Private:** Current property aerial photos for development and design, topographic survey, volume surveys, contour surveys, and more.
- **Videography / photography:** with the ability to video in 4k and produce high quality stills, drones make for the ideal platform for aerial cinematography / promotional and informative coverage of many aspects in our normal and working lives.

RECENTLY COMPLETED AND CURRENT PROJECTS

- Croydon Park TAFE Redevelopment site: topographic survey.
- Port Augusta Solar Farm Redevelopment: topographic survey.
- Hunter Valley Coal Mine: as-built survey information and imagery collected as construction areas are completed and released to the operator.
- Santos Okotoka project, Cooper Basin: access/visual inspection survey.
- APA: an aerial inspection survey was undertaken for a new bore/pipeline design under a waterway.
- Arnhem Link Roads UAV surveys: topographic survey.
- Shoal Bay Dump Northern Territory: contour and volume surveys (two year contract / 24 flights).
- UAV flight of entire Inpex Site 2017 (completed in one day).
- Fyfe is providing photography and mapping to enable replacement and "future proofing" of a major gas pipeline asset damaged during the recent Gold Coast floods.